



PATENT

11/11/05

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of

El-Maleh et al.

For: Selective And/or Scalable Complexity
Control for Video Codecs

Serial No. 10/713,240

Examiner: Steven Post

Filed: 11/13/2003

Group No. 2643

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

MAILING

- ☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FACSIMILE

- ☐ transmitted by facsimile to the Patent and Trademark Office.

Depositor's Name: JOANN DENBOW

(type or print name)

Date:

11-30-05

Signature:

Joan Denbow

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

In accordance with 37 CFR §1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: 11-30-05

By: 

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|---|--|------------------------------|--------------------------|
| FORM PTO-1449 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 030361 | SERIAL NO. 10/713,240 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | APPLICANT El-Maleh et al. | |
| | | FILING DATE 11/13/2003 | GROUP 2643 |
| DATE MAILED: 11-30-05 | | | |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|----------------------|------------------|------------|-----------------|-------|--------------|----------------------------------|
| | A1 5 6 8 2 2 0 4 | 10/28/1997 | Uz et al. | H04N | 1/41 | |
| | A2 6 4 4 5 3 1 2 | 09/03/2002 | Nguyen | H03M | 7/00 | |
| | A3 6 5 9 1 0 1 5 | 07/08/2003 | Yasunari et al. | G06K | 9/36 | |
| | A4 6 5 6 7 4 6 9 | 05/20/2003 | Rackett | H04N | 7/12 | |

U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

| *EXAMINER INITIAL | PUBLICATION NUMBER | PUB. DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
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| | B1 2 0 0 3 1 5 6 6 4 4 A 1 | 08/21/03 | Song et al. | H04N | 7/12 | |
| | B2 | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | Ref No | DOCUMENT NUMBER | DATE | COUNTRY | NAME | CLASS | SUB CLASS |
|---------------------|-----------|-----------------|----------|---------|---------------|-------|--------------|
| | C1 | 0 1 9 3 9 9 | 06/18/03 | PCT | QUALCOMM Inc. | H04N | 7/26 |
| | C2 | | | | | | |
| | C3 | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

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|---|--|
| D1 | Osako et al.; <u>A Dynamic Computation Resource Scalable Algorithm for Software Video CODEC</u> ; NTG Fachberichte, VDE Verlag, Berlin, Vol. 143, Sept. 10, 1997; Pages 515-518 |
| D2 | Tan et al.; <u>Classified Perceptual Coding with Adaptive Quantization</u> ; IEEE Transactions on Circuits and Systems for Video Technology, IEEE Inc. New York, US, Vol. 6, No. 4, Aug. 1996, Pages 375-388 |
| D3 | Tourapis et al.; <u>Highly Efficient Predictive Zonal Algorithms for Fast Block-Matching Motion Estimation</u> ; IEEE Transactions on Circuits and Systems for Video Technology, Vol. 12, No. 10, Oct. 2002, Pages 934-947 |
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |